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1 Meeting lifetime goals with energy levels

Andreas Lachenmann, Pedro José Marrón, Daniel Minder, Kurt Rothermel
November 2007 **SenSys '07: Proceedings of the 5th international conference on sensor networks, systems, and applications**

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (258.58 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 112, Downloads

In this paper we present *Levels*, a programming abstraction for energy-aware systems. Unlike most previous work it does not try to maximize network lifetime while maximizing ...

Keywords: energy, lifetime goal, programming abstraction, wireless sensor networks

2 Activity recognition for context-aware hospital applications: issues arising from pervasive networks

Jesús Favela, Monica Tentori, Luis A. Castro, Victor M. Gonzalez, Elisa B. M. March 2007 **Mobile Networks and Applications**, Volume 12 Issue 2-3

Publisher: Kluwer Academic Publishers

Full text available: [Pdf](#) (489.52 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 162, Downloads

Hospitals are convenient settings for the deployment of context-aware systems. Hospital workers are highly dependent on contextual variables, such as the location of these parameters can be easily ...

Keywords: activity estimation, context-aware computing, hospital activity recognition

3 RCBP: a simple and efficient service for multiple time-scale traffic

Matthias Grossglauser, Srinivasan Keshav, David N. C. Tse

December 1997 **IEEE/ACM Transactions on Networking (TON)**, Volume 5 Issue 6

Publisher: IEEE Press

Full text available: [Pdf](#) (617.74 KB)

Additional Information: [full citation](#), [abstract](#)

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Keywords: compressed video, multiple time scales, renegotiation, vari

4 [Measuring the Performance and Reliability of Production Computat](#)

Omid Khalil, Jahua He, Catherine Olschanowsky, Allan Snarely, Henri Cas

September 2006 **GRI D '06**: Proceedings of the 7th IEEE/ACM International

Publisher: IEEE Computer Society


Full text available:  Pdf (427.16 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 26, Downloa

In this work we report on data gathered via a deployment of a monitori
two production grid platforms, TeraGrid and Geon. Our result show that
unavailable, with success rates for benchmark ...


5 [Packet prediction for speculative cut-through switching](#)

 Paul Congdon, Matthew Farrens, Prasant Mohapatra

November 2008 **ANCS '08**: Proceedings of the 4th ACM/IEEE Symposium o

Communications Systems

Publisher: ACM 

Full text available:  Pdf (154.03 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 63, Downloa

The amount of intelligent packet processing in an Ethernet switch contri
embedded applications such as network security, load balancing and qu
increased packet processing is contributing ...

Keywords: cut-through, ethernet switching, packet prediction, specula


6 [Content sharing middleware for mobile devices](#)

Petros Bslmpassakis, Juha-Pekka Luoma, Mihaly Börzse

February 2008 **MOBILWARE '08**: Proceedings of the 1st international confi

MiddleWARE, Operating Systems, and Applications

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecomm

Full text available:  Pdf (706.62 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 100, Downl

As mobile smart phones have evolved being converged devices, they ar
different types of high quality content, such as images, music and video
synchronize and archive their content, lead to the ...


Keywords: Symbian, content, middleware, mobile devices, sharing

7 [Zigzag decoding: combating hidden terminals in wireless networks](#)

 Shyamnath Gollakota, Dina Katabi

August 2008 **SIGCOMM '08**: Proceedings of the ACM SIGCOMM 2008 confe

Publisher: ACM 

Full text available:  Pdf (930.40 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 331, Downl

This paper presents ZigZag, an 802.11 receiver design that combats hiccups. Its contribution is a new form of interference cancellation that exploits asynchronous Specifically, 802.11 retransmissions, in ...


Keywords: hidden terminals, interference cancellation, wireless

Also published in:

October 2008 **SIGCOMM Computer Communication Review** Volume 38 Issue

- 8 [BlueStar: enabling efficient integration between bluetooth WPANs](#) by Carlos De M. Cordeiro, Sachin Abhyankar, Rishi Toshiwal, Dharma P. Agrawal
August 2004 **Mobile Networks and Applications** , Volume 9 Issue 4

Publisher: Kluwer Academic Publishers

Full text available:  Pdf (672.02 KB)

Additional Information: [full citation](#), [abstract](#)


Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 87, Downloads

Bluetooth is a radio technology for Wireless Personal Area Networking (WPAN) in the 2.4 GHz frequency band. So far, there has been little research on how Bluetooth devices can efficiently have uninterrupted access ...

Keywords: IEEE 802.11, analytical modeling, architecture, bluetooth, gateway, interference, protocol stack, simulation

- 9 [Constructing collaborative desktop storage caches for large scientific applications](#) by Sudharshan S. Vazhkudai, Xiaosong Ma, Vincent W. Freeh, Jonathan W. St. Simon, Stephen L. Scott
August 2006 **Transactions on Storage (TOS)** , Volume 2 Issue 3

Publisher: ACM 

Full text available:  Pdf (833.76 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 122, Downloads

High-end computing is suffering a *data deluge* from experiments, simulations, and overwhelming application dataset sizes. This has led to the proliferation of storage area clusters, and data ...

Keywords: Distributed storage, parallel I/O, scientific data management, cache, storage networking, storage resource management, storage scalability

- 10 [Improving the reliability of commodity operating systems](#) by Michael M. Swift, Brian N. Bershad, Henry M. Levy
February 2005 **Transactions on Computer Systems (TOCS)** , Volume 23 Issue 1

Publisher: ACM 


Full text available:  Pdf (459.98 KB)

Additional Information: [full citation](#), [abstract](#)


Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 349, Downloads

Despite decades of research in extensible operating system technology, bugs remain a significant cause of system failures. In Windows XP, for example, recently reported failures. This article ...

Keywords: I/O, Recovery, device drivers, protection, virtual memory

- 11 [Implementing an interdisciplinary capstone course for associate degree](#)
 Pamela S. Ecker, Jason Caudill, David Hootor, Colleen Meyer
 October 2004 **CITC5 '04: Proceedings of the 5th conference on Information**

Publisher: ACM 

Full text available:  Pdf (153.95 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 36, Downloads

The Multimedia Information Design department at Cincinnati State Tech implemented a team-based, team-taught capstone course as a graduate associate degrees in Audio/Video Production, Computer ...

Keywords: capstone courses, experiential learning, student projects, t

- 12 [Passive estimation of TCP round-trip times](#)

 Hao Jiang, Constantinos Dovrolis

July 2002 **SI GCOMM Computer Communication Review**, Volume 32 Iss

Publisher: ACM


Full text available:  Pdf (627.33 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 126, Downl


We propose and evaluate a passive measurement methodology that estimates Times (RTTs) for the TCP connections that flow through a network link. buffer provisioning, configuration ...

- 13 [On the stability of the information carried by traffic flow features at the](#)

 Alice Este, Francesco Giordani, Luca Salgarelli

June 2009 **SI GCOMM Computer Communication Review**, Volume 39 Iss

Publisher: ACM

Full text available:  Pdf (554.51 KB)


Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 116, Downl

This paper presents a statistical analysis of the amount of information that is observed at the packet-level carry, with respect to the protocol that generates of information of the majority of ...


Keywords: traffic classification, transport layer

- 14 [A mobile computing middleware for location- and context-aware inter](#)

 Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli

November 2006 **Transactions on Internet Technology (TOIT)**, Volume 6

Publisher: ACM 

Full text available:  Pdf (316.77 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 35, Downloads (12 Months): 283, Downl

The widespread diffusion of mobile computing calls for novel services and


on both the current physical position of users (location) and the logical : services, preferences, and ...

Keywords: Mobile computing, adaptive services, context awareness, lo agents, policies

- 15 [Advocating a remote socket architecture for internet access using wi](#)
M. Schläger, B. Rathke, A. Wolsz, S. Bodenstein

January 2001 **Mobile Networks and Applications** , Volume 6 Issue 1

Publisher: Kluwer Academic Publishers


Full text available:  Pdf (490.10 KB)

Additional Information: [full citation](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 32, Downloa


Keywords: TCP, internet access, measurement, performance, socket-ir

- 16 [Can you infect me now?: malware propagation in mobile phone netw](#)

 Chris Fleizach, Michael Lijenslam, Per Johansson, Geoffrey M. Voelker, And

November 2007 **WORM '07: Proceedings of the 2007 ACM workshop on Re**

Publisher: ACM

Full text available:  Pdf (946.28 KB)

Additional Information: [full citation](#), [abstrac](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 226, Downl

In this paper we evaluate the effects of malware propagating usingcomr networks. Although self-propagating malware is well understood in the l very different characteristics in terms ...


Keywords: cellular phone networks, defenses, epidemiology, measurer

- 17 [miNI: reducing network interface memory requirements with dynamic](#)

 Reza Azami, Angelos Bilas

June 2003 **ICS '03: Proceedings of the 17th annual international confere**

Publisher: ACM 

Full text available:  Pdf (289.75 KB)

Additional Information: [full citation](#), [abstrac](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 21, Downloa

Recent work in low-latency, high-bandwidth communication systems ha Network Interface Controllers (NICs) and communication abstractions th to applications virtual memory to avoid ...

Keywords: parallel architectures, system area networks

- 18 [Data base system performance prediction using an analytical model](#)

Kenneth C. Sevcik

September 1981 **VLDB '1981: Proceedings of the seventh internationa**

Bases - Volume 7 , Volume 7

Publisher: VLDB Endowment

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downl

Much progress has been made recently in developing strategies for data physical levels. Various approaches, some built into automated design can be "good" (or even "optimal" in some ...

19 Think simulation - think experiment: the virtual cell paradigm

Ion I. Moraru, James C. Schaff, Leslie M. Loew

December 2006 **WSC '06**: Proceedings of the 38th conference on Winter simulation

Publisher: Winter Simulation Conference

Full text available:  Pdf (296.22 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 11, Downloads


The Virtual Cell modeling and simulation framework is the product of integrating the diverse strengths and experiences of individuals from engineering, biological sciences, and mathematics. ...

20 Executing multiple pipelined data analysis operations in the grid

Matthew Spencer, Renato Ferreira, Michael Beynon, Tahsin Kurc, Umit Cavdar

November 2002 **Supercomputing '02**: Proceedings of the 2002 ACM/IEEE

Publisher: IEEE Computer Society Press

Full text available:  Pdf (158.51 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 18, Downloads

Processing of data in many data analysis applications can be represented from data sources to the client. This paper is concerned with scheduling each of which is represented ...

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